IMPROVEMENTS OF ANGANAWADI BUILDING AND CONSTRUCTION OF GOVERNMENT SCHOOL BUILDINGS AT ATTUR VILLAGE IN WARD NO.03 OF YELAHANKA SATELLITE TOWN SUB DIVISION

First and Final Bill

Quality Control Reports

CIVIL PRO
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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

QC ABSTRACT

NAME OF WORK: "Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	PCC(M15)	Compressive Strength(7days and 28days)	4 set /31-50 cum	46.71	8	8
7	RCC(M25)	Compressive Strength(7days and 28days)	7 set /151-200 cum	177	14	14
8	RCC(M25)	Compressive Strength(7days and 28days)	3 set /16-30 cum	17.08	6	6
9	RCC(M25)	Compressive Strength(7days and 28days)	2 set /6-15 cum	5.95	4	4
10	RMC(M25)	Compressive Strength(7days and 28days)	4 set /31-100 cum	107.15	8	8

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID : CP-2021-07-19-19 **Date: 22-03-21**

Project Name : "Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."

Agency : Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.

Customer's Reference : BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21

Date of Receipt : 19-03-21

Sample Type : Birla Super 53grade

Reference to BIS codes : IS 12269 2013, 53 Grade Ordinary Portland cement Specification ,
IS 4031 (Part 1,2 3,4,5, 6,11):1988
IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4
IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5
IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6
IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5
IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5
IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6

Date of test : 20-03-21

Environmental Conditions during test : Temperature: 26°C
Humidity: 72%

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.64	–
2	Finess by Air permeablity method (m^2/kg,Min)	296.2	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	29.0%	Not specified
5	Initial Setting time	146 minutes	Not less than 30 minutes
6	Final Setting time	292 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2021-07-19-19** **Date: 22-03-21**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.6	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.5	
3	Specific Gravity	2.62	–
4	Bulk Density(Loose) (Kg/l)	1.47	–
5	Bulk Density(Compacted) (Kg/l)	1.54	–
6	Water Absorption(%)	0.23	–
7	Aggregate crushing Value(%)	23.7	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.7	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 28/04/2021

Lab ID	:	CP-2021-07-19-19
Project Name	:	"Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No.03 of Yelahanka Satellite Town Sub Division."
Agency	:	Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21
Date of Receipt	:	23-04-21
Customer ID	:	Above SSM Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	28/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Above SSM Concrete	M15	21/04/2021	28/04/2021	151.75 X 149.04 X 149.63	22618	9.081	293.5	13.0	12.9
2	Above SSM Concrete	M15	21/04/2021	28/04/2021	151.14 X 151.35 X 149.19	22875	8.540	295.7	12.9	
3	Above SSM Concrete	M15	21/04/2021	28/04/2021	150.68 X 151.13 X 151.30	22772	8.716	294.8	12.9	

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-07-19-19

Date: 28/04/2021

Project Name : "Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."

Agency : Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.

Customer's Reference : BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21

Date of Receipt : 23-04-21

Customer ID : Above SSM Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Above SSM Concrete	M15	21/04/2021	28/04/2021	149.86 X 151.87 X 150.60	22760	9.081	274.7	12.1	12.2
2	Above SSM Concrete	M15	21/04/2021	28/04/2021	150.39 X 149.83 X 150.39	22532	8.540	279.0	12.4	
3	Above SSM Concrete	M15	21/04/2021	28/04/2021	149.03 X 149.58 X 149.70	22291	8.716	268.7	12.1	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/05/2021

Lab ID	:	CP-2021-07-19-19
Project Name	:	"Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."
Agency	:	Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21
Date of Receipt	:	05-05-21
Customer ID	:	Plinth Area Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/05/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth Area Concrete	M15	03/05/2021	10/05/2021	151.06 X 149.30 X 149.20	22554	9.081	292.9	13.0	12.8
2	Plinth Area Concrete	M15	03/05/2021	10/05/2021	150.51 X 150.92 X 149.53	22714	8.540	286.9	12.6	
3	Plinth Area Concrete	M15	03/05/2021	10/05/2021	149.60 X 150.54 X 150.83	22520	8.716	284.8	12.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 10/05/2021

Lab ID : CP-2021-07-19-19

Project Name : "Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."

Agency : Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.

Customer's Reference : BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21

Date of Receipt : 05-05-21

Customer ID : Plinth Area Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/05/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth Area Concrete	M15	03/05/2021	10/05/2021	151.15 X 149.64 X 150.86	22617	9.081	281.3	12.4	12.6
2	Plinth Area Concrete	M15	03/05/2021	10/05/2021	150.25 X 150.45 X 151.16	22604	8.540	289.8	12.8	
3	Plinth Area Concrete	M15	03/05/2021	10/05/2021	150.40 X 151.44 X 151.14	22776	8.716	287.8	12.6	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-07-19-19 Date: 22/04/2021

Project Name : "Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."

Agency : Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.

Customer's Reference : BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21

Date of Receipt : 17-04-21

Customer ID : Footing Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/04/2021

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	15/04/2021	22/04/2021	150.24 X 149.93 X 149.24	22527	8.246	538.4	23.9	22.8
2	Footing Concrete	M25	15/04/2021	22/04/2021	149.77 X 150.52 X 150.00	22543	8.201	503.4	22.3	
3	Footing Concrete	M25	15/04/2021	22/04/2021	149.28 X 150.58 X 151.06	22478	8.499	496.2	22.1	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 22/04/2021

Lab ID	:	CP-2021-07-19-19
Project Name	:	"Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."
Agency	:	Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21
Date of Receipt	:	17-04-21
Customer ID	:	Footing Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	22/04/2021

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	15/04/2021	22/04/2021	151.29 X 150.65 X 150.73	22792	8.246	535.1	23.5	22.8
2	Footing Concrete	M25	15/04/2021	22/04/2021	149.59 X 151.11 X 151.77	22605	8.201	511.7	22.6	
3	Footing Concrete	M25	15/04/2021	22/04/2021	151.16 X 149.42 X 149.17	22587	8.499	503.9	22.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2021-07-19-19 Date: 22/04/2021

Project Name : "Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."

Agency : Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.

Customer's Reference : BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21

Date of Receipt : 17-04-21

Customer ID : Footing Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/04/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	15/04/2021	22/04/2021	150.47 X 149.81 X 149.07	22542	8.246	539.7	23.9	22.9
2	Footing Concrete	M25	15/04/2021	22/04/2021	149.54 X 151.60 X 151.71	22670	8.201	504.1	22.2	
3	Footing Concrete	M25	15/04/2021	22/04/2021	149.64 X 150.85 X 151.99	22573	8.499	510.5	22.6	

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 13/05/2021

Lab ID	:	CP-2021-07-19-19
Project Name	:	"Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."
Agency	:	Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21
Date of Receipt	:	17-04-21
Customer ID	:	Footing Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	13/05/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	15/04/2021	13/05/2021	150.71 X 150.67 X 149.90	22707	8.993	631.9	27.8	27.5
2	Footing Concrete	M25	15/04/2021	13/05/2021	149.78 X 151.28 X 150.05	22659	8.592	597.1	26.4	
3	Footing Concrete	M25	15/04/2021	13/05/2021	149.88 X 151.69 X 151.85	22735	8.704	643.7	28.3	

* The results obtained are satisfactory as per standard requirements.

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Quality Manager

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 24/05/2021

Lab ID	:	CP-2021-07-19-19
Project Name	:	"Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No.03 of Yelahanka Satellite Town Sub Division."
Agency	:	Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21
Date of Receipt	:	28-04-21
Customer ID	:	Column (below Plinth Beam) Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/05/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column (below Plinth Beam) Concrete	M20	26/04/2021	24/05/2021	150.92 X 150.78 X 151.33	22756	8.993	630.8	27.7	27.5
2	Column (below Plinth Beam) Concrete	M20	26/04/2021	24/05/2021	151.08 X 149.42 X 150.67	22574	8.592	599.5	26.6	
3	Column (below Plinth Beam) Concrete	M20	26/04/2021	24/05/2021	151.51 X 151.61 X 149.78	22970	8.704	647.5	28.2	

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 13/05/2021

Lab ID	:	CP-2021-07-19-19
Project Name	:	"Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."
Agency	:	Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21
Date of Receipt	:	08-05-21
Customer ID	:	Plinth Beam Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	13/05/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth Beam Concrete	M25	06/05/2021	13/05/2021	151.75 X 151.52 X 150.82	22993	8.246	537.2	23.4	22.8
2	Plinth Beam Concrete	M25	06/05/2021	13/05/2021	149.24 X 149.22 X 151.18	22269	8.201	507.1	22.8	
3	Plinth Beam Concrete	M25	06/05/2021	13/05/2021	150.64 X 149.47 X 151.07	22515	8.499	501.3	22.3	

* The results obtained are satisfactory as per standard requirements.

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Quality Manager

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Page 1/1
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 19/05/2021

Lab ID	:	CP-2021-07-19-19
Project Name	:	"Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."
Agency	:	Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21
Date of Receipt	:	14-05-21
Customer ID	:	GF Column Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/05/2021

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Column Concrete	M25	12/05/2021	19/05/2021	149.75 X 150.07 X 150.63	22473	8.246	526.3	23.4	22.8
2	GF Column Concrete	M25	12/05/2021	19/05/2021	151.82 X 149.01 X 149.28	22623	8.201	503.8	22.3	
3	GF Column Concrete	M25	12/05/2021	19/05/2021	149.11 X 151.15 X 149.08	22537	8.499	510.7	22.7	

* The results obtained are satisfactory as per standard requirements.

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R KARTHIK RECHAN
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Quality Manager

****End of Report****

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Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 02/06/2021

Lab ID	:	CP-2021-07-19-19
Project Name	:	"Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."
Agency	:	Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No.05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21
Date of Receipt	:	28-05-21
Customer ID	:	GF Staircase Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Staircase Concrete	M25	26/05/2021	02/06/2021	151.60 X 150.62 X 149.62	22834	8.246	541.0	23.7	22.8
2	GF Staircase Concrete	M25	26/05/2021	02/06/2021	151.49 X 149.02 X 150.44	22575	8.201	500.1	22.2	
3	GF Staircase Concrete	M25	26/05/2021	02/06/2021	152.00 X 150.75 X 151.23	22913	8.499	514.6	22.5	

* The results obtained are satisfactory as per standard requirements.

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 05/07/2021

Lab ID	:	CP-2021-07-19-19
Project Name	:	"Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."
Agency	:	Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21
Date of Receipt	:	09-06-21
Customer ID	:	FF Column Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	05/07/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Column Concrete	M25	07/06/2021	05/07/2021	151.63 X 149.70 X 151.91	22698	8.993	618.3	27.2	27.5
2	FF Column Concrete	M25	07/06/2021	05/07/2021	149.51 X 151.32 X 149.05	22623	8.592	603.2	26.7	
3	FF Column Concrete	M25	07/06/2021	05/07/2021	151.38 X 150.74 X 149.71	22819	8.704	655.0	28.7	

* The results obtained are satisfactory as per standard requirements.

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig..... Date..... BANGALORE

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 23/06/2021

Lab ID	:	CP-2021-07-19-19
Project Name	:	"Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."
Agency	:	Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21
Date of Receipt	:	28-05-21
Customer ID	:	GF Roof Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	23/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M25	26/05/2021	23/06/2021	151.20 X 150.41 X 149.06	22742	8.993	634.5	27.9	27.9
2	GF Roof Concrete	M25	26/05/2021	23/06/2021	151.05 X 149.10 X 149.06	22521	8.592	606.3	26.9	
3	GF Roof Concrete	M25	26/05/2021	23/06/2021	151.10 X 150.58 X 150.41	22752	8.704	659.1	29.0	

* The results obtained are satisfactory as per standard requirements.

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****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2021-07-19-19

Date: 23/06/2021

Project Name : "Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."

Agency : Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.

Customer's Reference : BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21

Date of Receipt : 28-05-21

Customer ID : GF Roof Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M25	26/05/2021	23/06/2021	149.56 X 150.39 X 150.19	22493	8.993	610.3	27.1	27.3
2	GF Roof Concrete	M25	26/05/2021	23/06/2021	150.49 X 150.39 X 151.83	22633	8.592	602.1	26.6	
3	GF Roof Concrete	M25	26/05/2021	23/06/2021	150.66 X 151.83 X 150.80	22874	8.704	642.1	28.1	

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2021-07-19-19

Date: 28/06/2021

Project Name : "Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."

Agency : Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.

Customer's Reference : BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21

Date of Receipt : 23-06-21

Customer ID : FF Roof Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 28/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	FF Roof Concrete	M25	21/06/2021	28/06/2021	151.78 X 150.93 X 149.37	22908	8.246	535.6	23.4	22.6
2	FF Roof Concrete	M25	21/06/2021	28/06/2021	149.14 X 150.29 X 149.82	22413	8.201	494.8	22.1	
3	FF Roof Concrete	M25	21/06/2021	28/06/2021	150.37 X 151.80 X 149.11	22826	8.499	511.8	22.4	

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2021-07-19-19

Date: 23/06/2021

Project Name : "Improvements of Anganawadi Building and Construction of Government School Buildings at Attur Village in Ward No:03 of Yelahanka Satellite Town Sub Division."

Agency : Sri T S Kothanda Raju (Proprietor R K CONSTRUCTIONS, Proprietor SHREE CHARAN CONSTRUCTIONS) No:05, Sree Sri Nivas Bagath Enclave, Kattigenahalli Village, Yelahanka Post, Bangalore-560064.

Customer's Reference : BBMP/EE/YNK.D/EPMT-8/W.O/247/2020-21

Date of Receipt : 28-05-21

Customer ID : GF Roof Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

Date of test : 23/06/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M25	26/05/2021	23/06/2021	149.56 X 150.39 X 150.19	22493	8.993	610.3	27.1	27.3
2	GF Roof Concrete	M25	26/05/2021	23/06/2021	150.49 X 150.39 X 151.83	22633	8.592	602.1	26.6	
3	GF Roof Concrete	M25	26/05/2021	23/06/2021	150.66 X 151.83 X 150.80	22874	8.704	642.1	28.1	

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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